



CARRIER

MDARC Field Day Call is ??? MDARC Calls WR6AHK; WR6ARG; WR6ACP; W6LGW

Volume XXVI

June 1978

No. 6

THIS IS THE MONTHLY PAPER OF THE MT. DIABLO AMATEUR RADIO CLUB, INC.

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Committees: Education Ch. WB6SNW; Door Prize Ch. WB6TZQ; Membership Ch. WB6BIX; TVI Comm. K6DQL, K6IMV, N6GQ, K6VLH; Repeater Grp. Ch. WB6PUA; Rptr Grp. Treas. WB6DHH; Field Day Ch. WA6JUD; Tech. Forum WB6YXT; Publicity WB6JGV; Novice Net WD6CGS with WA6QCZ & WD6APL. The CARRIER editor for May was Jack Gott WA6KGI. The editorship now reverts back to Hal Mumford W6CU until Jan. 1979. All articles for July should be sent in plenty early.

*** Meeting Notice ***

The regular monthly meeting of the
MT. DIABLO AMATEUR RADIO CLUB
will be held at our usual meeting place:

GRACE PRESBYTERIAN CHURCH
2100 Tice Valley Blvd., Walnut Creek
June 16, 1978 8 p.m.

"THE THIRD FRIDAY OF THE MONTH"

PROGRAM

An interesting evening is being planned. Stan Bringer WA6IRZ is lining up one or more experts (not completely confirmed as of 6-8-78) who will tell us about TVI (cable and otherwise). Of course Field Day will be discussed too.

VISITORS ARE WELCOME

PLEASE DO NOT SMOKE IN THE CHURCH BUILDING
PLEASE USE SQUARE FLOWERPOT TYPE RECEPTACLES
OUTSIDE THE BUILDING FOR CIGARETTE ASHES.

REMINDERS

Field Day is June 24-25 Plans are moving along. Pay to get into the park. Read park rules on page 2. Carl Cook says everything is GO. However, because W6CX's license expires June 12, 1978 (and FCC's office in S. F. says on the phone this was not a mistake and that all club station licenses will be given a new format and calls not grandfathered when this takes place) it looks like the call W6CX will not be available unless Gettysburg answers us with something different. FCC rules are changing rapidly these days, and a renewal has not been requested. We requested a correction of an expiration date error.

Field Day Meeting 8 p.m. June 14, 1978 at the QTH of Carl Cook WA6JUD. Also refer to the Field Day article on page 3.

New Novice Net Time starting June 17th will be Saturdays 10:30 a.m. 3725 kHz.

Board Meets June 26 at the QTH of Warren Peterson WB6AEG.

Technical Forum: "Let it coast".

MDARC CLUB MEETING OF MAY 19, 1978

President Dick, WA6OJT called the meeting to order at 8:10 p.m. The Club was informed that members could send any get well cards to Ted Nikkel at home. The following visitors and new licensees introduced themselves: Dick Squires W2CEP from Buffalo, NY; WA6ZLFZ upgraded to advanced; Bill Haret; Jerry Wright WD6PTM.

John, WA6TML reported we have \$1356.00 in checking and \$636.57 in savings for a total of \$1993.57.

Dwayne, W6LKE welcomed all for Armed Forces Day tomorrow. He also said there will be an announcement soon of an emergency coordination meeting.

Nametags and new members cards were handed out and it was made known that blinking nametags are also available.

We have 272 members.

Rabbit ears were donated to the TVI committee by W6TQI.

The Field Day report included rules given to us by the park:

1. All equipment (antennas, power lines, etc.) must be safe for other park users.
2. All wires must be made visible to prevent tripping.
3. No spikes or similar things may be driven into the pavement.
4. Everything must be removed when we leave (garbage, etc.)
5. Keep traffic to a minimum
6. No special rate is available. We will pay the full price to get into the park.

We received a check from Martinez Petroleum for the gasoline. Everyone is invited to operate.

An appeal was made to the Club for someone with a commercial radiotelephone license to help teach radio at Clayton Valley High School.

Joe Rudi says hello to the Club.

Stan announced that FCC is taking 15 to 24 weeks to send the new licenses out. We adjourned at 8:34 for coffee. Bob, K6WT was introduced for an informative talk on aircraft fuel flow computers.

- Jack Gott WA6KGI

MDARC BOARD MEETING OF MAY 22, 1978

Came to order at 8:12 p.m. at TZQ's QTH. Present were: WA6IRZ, WA6OJT, WA6GBB, N6GQ, VE2AQV, WB6TZQ, K6IMV, WD6CGS, WB6AEG and WA6KGI. Later on, WA6TML arrived to complete the quorum.

It was reported that W6LKE would have a write-up on Armed Forces Day for the CARRIER. We did well this year but the Navy had some difficulties.

Minutes were accepted after Art, VE2AQV pointed out that the part about the novice rules in the last minutes was correct then but not now.

Program Committee: June is undecided as yet but Stan will contact Frank Williams about a talk on TVI. For July, a talk by Tom Lott on narrow band voice modulation is being planned. Everyone agreed that Bob, K6WT gave an excellent talk at our last meeting. Stan had to leave early and was dismissed.

Treasurer's Report: Checking \$1342.37, savings \$636.57 for a total of \$1978.94.

Field Day: This year everyone pays entry into the park. It was agreed to give Carl, WA6JUD a check for the \$100 and let him handle the Field Day funds.

Correspondence: A thank-you letter was sent to K6WT for the talk. Also it was decided this year to send our thanks for the gasoline to Shell after Field Day so they could be told a little about how we used it in the contest. We received a letter about Joe Rudi that Orve Owen will answer. We also received a letter from Bob Cook, W6UAW about some problems with some microwave safety concerns by a group called "Mt. Diablo Interpretive Association." Parky Parkinson and Bill Mumford will look into the situation. Also a get-well card will be sent to Ted Nikkel.

It was reported that Gene Dotson K6HW, who was a member of the Club some years ago as W6IPW, became a silent key recently.

Education Committee: Paul Martz was not present. Stan was asked to reserve classes for the fall. Art will get the ARRL literature at the correct time. (cont. next page)

MDARC BOARD MEETING May 22, 1978 (Continued)

Novice Net: Long skip is in and Jim wants to move to 80 meters, possibly on Saturday mornings.

Technical Forum: Dick said we should let it coast and everyone agreed.

Membership: We now have 274 members.

Emergency Coordination: Nothing new.

TVI: There are 3 cases being worked out.

Door Priz & Coffee: Alive & doing well.

Hal Mumford is contacting Doug Lorschler about printing of the CARRIER at cost and he is getting his membership application. Bulk mailing was brought up again and discredited because of the delays we would have.

Repeater Group: The steering committee went smoothly and the general meeting will decide a lot.

At this point the kitty was excused from the meeting for scratching in Dick's file box of papers.

Old business: Parky is checking on the cost of an entire package for the club history printing. Charitable organization no action.

Board meets: June 26 at Warren Peterson WB6AEG; July 31 at Jim Presley WD6CGS. Jim also volunteered to coordinate a summer picnic this year.

The meeting was adjourned at 9:36 p.m. for some outstanding refreshments. Thank you Corliss and Hank

-- Jack Gott WA6KGI

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This poor soul DID NOT LIKE what he read in this Newspaper. If you find yourself in this situation, kindly notify the editors, and we shall place your Comment in the Complaint Department of this Newspaper free of charge.

EVERYTHING IS GO FOR FIELD DAY

Band captains as of June 6 are:

80 - OCZ & AEO; 40 EKT & CGS; 20 - open;
15 - JUD; 10 - open; 2 - NTG & KWW;
NOVICE - ZGB & JYZ.

We are shooting for classification 7 A. We may be using a call other than W6CX because FCC has not corrected a mistake on the expiration date for W6CX. Besides the club's generator, there will be a backup generator. To get into the park, everyone must pay, this year. We need a cook. Gasoline has been donated by Shell. A hundred dollars is available for expenses.

There will be a meeting of the band captains and all interested persons at the QTH of WA6JUD 8 p.m. June 14th.

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THE BEAT GOES ON

The beat to which we refer is that of new members pounding upon the portals of the Mt. Diablo Amateur Radio Club clamouring for admission.

Six new members this past month featuring the OM, BL (beautiful lady) duo of Larry and Cathy Griffin, both awaiting calls. Dick Brown, WA6YXY signed in and indicated interest in Field Day. Grab him. Dick Squires, awaiting his call also, until then unable to contribute his bit to QRMing the band of his choice. Mark Dobkin, WD6AFX from Lafayette, right next door. Four of the six listed are from Martinez. Should we open a branch in the North City? Jerry Wright, WD6DTM indicated interest in working on the Club Paper. Dick, you've found my replacement.

- Hank W6AMH

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SOME ROSTER CHANGES WE KNOW ABOUT

Terry & Linda Lange have a new address which is 104 W. Tennys, Benicia, CA 94510.

John Signorelli has changed his address to Box 4794 Diamond Bar, CA 91765.

Dick Thomas is Advanced; Gary Christy is Advanced; Thomas Nock is WD6FEL (N); Ron Adams is WD6FMB (N); Clayton Stiles is WD6GDG (N).

Dick Scheid is WB6ZFX (Summer Callbook Supplement) not WB6ZFX (our roster).

Some KA Novice calls are coming through. Examples: Judy Steward KA6AHO and Pat Seacrist KA6AHH?

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OUR ADS

M-TRON sent us 250 flyers for our May CARRIER but sent them to me instead of our May vacation editor WA6KGI as listed on the front page of the April CARRIER. When I returned from my vacation and phoned Doug, he said not to use the flyers as they would be obsolete by June. All ads are welcome and should be received by the Monday that precedes our printing date which is the 2nd Friday of the month.

By agreement, HAM RADIO OUTLET's ad is the same each month each time unless word comes to change it. - W6CU, Editor

HAM RADIO OUTLET
999 Howard Avenue
Burlingame, CA 94010
415 342-5757

OUR ONLY BUSINESS IS HAM RADIO

NORTHERN CALIFORNIA'S ONLY AUTHORIZED
KENWOOD DEALER

SPECIALS***SPECIALS***SPECIALS

Kenwood TS700S	\$729	\$690
Kenwood TS820S	1098 plus FREE VFO	820
Kenwood TS520S	739	700
Kenwood TR7400	399	379
CDE Ham III	194	129
CDE X	299	249
Icom IC211	749	674
Icom IC245SSB	599	539
Icom IC22S	299	279

Special Icom price plus your pick no charge any one of the following.....

1. Cushcraft ARX-2
2. Larsen 5/8 wave magnetic mount
3. Astron 4S amp power supply
4. \$30 Ham Radio Outlet gift certificate

We will match any bona fide price quote...
IF IT IS TOO FAR TO DRIVE, LET US SHIP IT
UP AT NO CHARGE TO YOU.....

HAM RADIO OUTLET
415 342-5757
Closed Sundays

Five minutes south of S.F. Intl. Airport
at the Burlingame O/R left on Carolyn to
999 Howard Avenue.....

THINGS TAKEN FROM OTHER PUBLICATIONS

There was a picture of Carl Cook and his "shack" on page 79 of April QST. In respect to his part in the Annual ARRL 160 meter contest, QST says: QUOTE Carl WA6JUD relaxes in his well-appointed "shack" after a third-place finish in the East Bay Section. UNQUOTE

There is a picture of Joe Rudi, WA6PVA on page 3 of the June issue of WORLD RADIO. The article in this publication by Lenore Jensen, W6NAZ says:

QUOTE Joe Rudi, popular left fielder for the California Angels, is WA6PVA. He has generously recorded a number of public service announcements on behalf of Amateur Radio.

The baseball star first received his license in Concord, California about three years ago. Now, when traveling, he finds great relaxation by working the world or his friends of the Mt. Diablo Amateur Radio Club.

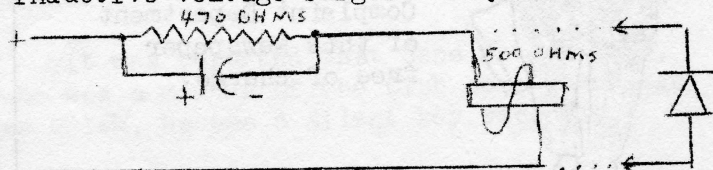
Joe "casts" his antenna out hotel windows using a fishing pole, no. 28 transformer wire and a one-ounce sinker, the lead-in attached to a small Atlas transceiver.

On his radio announcements, WA6PVA credits Amateur Radio as an opportunity for learning and service to the community and world with emergency communication, as well as providing the nation with a pool of technical talent. It is felt that many young people especially will respond to his endorsement of the Amateur Service.

The radio spots already are being heard in the Southern California area. UNQUOTE

SKIP (the Fresno Amateur Radio Club paper) has this to say about the relay problem that was in the March CARRIER.

QUOTE . . . use about half of the rated coil voltage to hold the relay closed . . . A large capacitor across the resistor allows full voltage to the relay for a fraction of a second while the capacitor is charging. Experiment to find the capacity value which will permit reliable relay operation. The relay resistance shown is an example only. . . .The diode across the relay coil is good practice to use with any relay, to reduce inductive voltage surges. UNQUOTE



REPEATER NEWS

As everybody knows by now, the repeater group voted at the last meeting to accept WR6ACP into the group and to use the WR6ACP repeater on 66-06. The group voted to have the steering committee decide and recommend how the two repeaters can work together. The steering committee met, and after much discussion voted to let the members decide what repeater they wanted on the air, and then pick the "on codes" and operate whichever repeater they wanted. It was felt that the members could have enough self-control that two repeaters would not be on at the same time, and maybe some controls could be incorporated so if one was up the other would not come up.

At the special repeater meeting of May 24, 1978 the group as a whole felt that this was not a good idea and they voted to have ACP up on the second and fourth weekend of each month and any other time the chairman decided it was needed, such as special events etc. ACP asked that they be notified in advance of any special events so they could make sure it would be available.

The first weekend that ACP was up was over the last three-day holiday. On Friday evening AHK was shut down and ACP came up. Bob and Wendell went to the hill twice because problems were present. The members were unable to control the repeater as only a few members had touch tones that would control the machine. It seems that ACP is very critical as to what tones it will accept. Wendell kept it up the whole weekend and on Monday evening ACP was shut down and AHK came back up. Except for the control problems, I guess one could say everything went fine. The next weekend ACP is scheduled to come up is June 16, 1978. I hope that by that time more members can control the repeater or the whole idea of secondary control is void. Remember that ACP does not have Auto Patch and any emergency calls would have to be made by members from their QTH's.

Members will have to learn the different coverage each repeater has. I found that I could not work ACP with 1 watt in the Orinda hole or anywhere in the Berkeley Hills or in the East Bay foothills. I am sure that there are other areas that will have better coverage and other areas where it will be worse. Members will not have a choice,

one or the other will be up. Lets give it a chance to work and see what happens. The next repeater meeting will not be held until some time in August unless a need is felt. If members want ACP codes, call me or other members and obtain the codes.

- Jay WB6PUA

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CORRESPONDENCE

Mr. Richard H. Webster, President
Mt. Diablo Amateur Radio Club

Dear Dick:

For about a year now I have been following the activities of an organization called the MT. DIABLO INTERPRETIVE ASSOCIATION and their recommendations to the Mt. Diablo State Park regarding proposed future uses of the Park. I even joined this organization because of my interest in the Mountain for riding and trail rides. Most of the membership of this Association is made up of hard core ecologists who want Mt. Diablo to return to its original state and remain untouched by man.

Last year this organization, through a young member named Chris Valle-Riestra, proposed to the State that Mt. Diablo be declared a wilderness. They acknowledged that radio towers were there now but proposed that they be phased out so the mountain would look natural again. They also proposed banning any vehicles, except on existing paved roads, and any motorized machinery like chain saws, generators, etc. The Concord-Mt. Diablo Trail Ride Association Association went on record with the State as opposed to this wilderness proposal.

This organization, especially Chris Valle-Riestra, continues to push for wilderness and eventual elimination of radio towers. I have pointed out to them the great public service value of these towers and installations but they don't seem impressed.

Attached is a copy of the minutes of a recent meeting where Valle-Riestra makes a statement that the micro-wave towers are a hazard to a person with a heart pacemaker. He has stated this as a fact.

I would like to have an expert scientific opinion on whether or not close proximity to
(continued on next page)

CORRESPONDENCE

(continued from previous page)

any radio frequency transmissions on Mt. Diablo would present any hazard to a person with a heart pacemaker. Could you possibly obtain such an opinion and send it to me to present to this organization?

Any help you can give me would be appreciated as this organization seems to have the ear of the Park Department and considers anything they recommend.

Thanks and 73.

Yours very truly,

Robert T. Cook
1333 Laverock Lane
Alamo, CA 94507

— . . . —
(At the suggestion of Parky K6IMV, Bob Cook W6UAW, has written to Bill Mumford W6CU)

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Excerpts from a letter from WB6KNU to OJT

Surprise! And hello from Greece. I'm in a train station now so I thought I'd drop you and MDARC a note so that you'd know I'm still alive, well, kicking and having the time of my life. Unfortunately I can't tell you anything about Amateur Radio abroad since I haven't found any yet.

I lived on a kibbutz called "NETZER Serini" for $2\frac{1}{2}$ months. I had to leave early because of a world trip my parents are arranging in July.

Tonight I'm taking a ship to Corfu, and then on to Italy. I'm going to be in Monaco for the Grand Prix, then Spain, France, Switzerland, Austria, Germany, Denmark, Holland, Belgium, England and then home around the 15th of July.

If any one of the Club would like to send me a letter, you can get my address from my parents.

I hope MDARC has gotten bigger and better since I left, and is planning to be No. 1 this year for Field Day. Take care and give my regards to the Club. I'm still thinking of the.

Thanks, 73
Bruce Pincus, WB6KNU

SOME CONDENSED & REWORDED HR REPORTS

Almost 20,000 people attended the Dayton Hamvention. There were 175 exhibitors. The forums were well attended. There were many new products.

The U.S. Supreme Court has dismissed a challenge to a Cerritos, Calif. ordinance restricting antenna height.

Ex-Novices whose licenses expired less than a year ago will be eligible to apply for reinstatement. Credit for passing the CW test can now be retained even when an applicant for a ham license fails the written test, at an FCC Field Office.

"The Zapping of America", Paul Brodeur's "expose" of the dangers of microwave (and other) radiation and the purported government coverup of those dangers, is itself getting zapped from a variety of sources. Nevertheless Brodeur's book is certain to shake up the uninformed. Motorola engineers conclude no health hazard exists from operation of a 2-M hand-held close to your face.

20 kHz channel spacing for the new 144.5-145.5 repeater sub-band is reported to have been approved by the ARRL VRAC, but at the same time the advisory group voted to maintain 30 kHz channels above 146 MHz. Further discussion is expected.

Amateur radio's ranks grew over 11% in the past year.

FCC's processing time for most amateur applications has been running six weeks and longer.

Field Day bonus points for Oscar 7 & 8 will take more effort this year. Oscar 7 will be in mode B and Oscar 8 will be on mode J.

Barry Goldwater's RFI bill requiring better RFI regulation by electronic equipment will be up for hearing June 14 before the Senate Subcommittee on Communications.

Oscar 8's orbital data is now refined. The formula for the orbital period is said to be $103.231836 - 1.117 \times 10^{-7} N$ minutes where N is the orbit number. Equatorial progression is said to be $25.80870162 - 2.325 \times 10^{-7} N^0$ per orbit. Now it is possible to calculate the whole year in advance. Otherwise buy W6PAJ's orbit book.

Solar flare fireworks bring short-lived but startling fadeouts to the HF bands. Eruptions are hard to predict. With summer solstice coming up June 22, late-evening DX-ing should be on 7-21 MHz.

For Sale: A National NC-303 Receiver with matching speaker & crystal calibrator. This receiver covers 160-10 meter amateur bands plus 11 meters with 2 kHz markers on a slide rule dial. It is in excellent condition. I aligned it recently. \$160

Also a Hallicrafters HT-37 Transmitter with Waters Compreamp speech compressor. This covers the 80-15 meter amateur bands plus a 0.5 MHz segment of 10 meters. It is for CW, SSB, and AM. Is also in excellent condition, and was also aligned. \$130

If someone wants both, I will throw in a B&W coax T-R relay and a Johnson low pass filter for no additional cost.

- Dick Webster 284-2046

For Sale: Hallicrafters SX-117 triple conversion receiver, L. F. converter, splatter guard, matching HT-44 SSB/CW exciter with power supply, and accessories. Units go transceive or split VFO. Break-in CW keying. \$400 of b/o. Also SBE 450 UHF transceiver w/1/2 xtal pairs, 5/8 mag mt. ant. \$200 or b/o. - Norm, WA6ZHE, 1390 Market St. #1514, SFO, 94102, or 781-4211, ext. 1067 8-5 p.m.

For Sale: R4B & T4XB w AC supply. Ex cond. \$650 for all. - Tony Contreras WA6FKA 439-8153

For Sale: Pair of 6JS6C tubes for YAESU FT 101 \$10 for the pair

Also For Sale: Home brew 3 element 10M Beam. \$25 or offer after Field Day - Henry W. Beisheim WB6TZQ 687-3317

QST Subscriptions & Renewals \$12.00

WORLD RADIO SUBSCRIPTIONS & RENEWALS \$6.50

Make check out to the Club. Give to our club Treasurer John Clyde (address on front page).

Nametags \$2.00 Make check out to the Club and give or send to Harry Howe 5 Las Vegas Road, Orinda, CA 94563

For Sale: My extra January 1931 copy of QST. \$3 - W6CU

THE BASE STATION

TEN TEC SUMMER SALE

544 Digital Xcvr	\$869.00
540 Xcvr	699.00
509 Argonaut QRP Xmtr	369.00
570 Century 21 CW Xcvr	299.00

YAESU

FT 101 E	799.00
FT 101 EE	759.00
FT 101 EX	699.00
FT 227 R 2 M "MEMORIZER"	319.00
YC-601 Digital Display	199.99
YO-100 Monitor Scope	246.00
SP-101B Spkr	25.00
SP-101PB Phonepatch/Spkr	64.00
YP-150 Dummy Load/Wattmeter	78.00
FRG-7 General Coverage Rcvr	299.95

KENWOOD

R599D & T599D Twins	1098.00
TSS20S Digital Xcvr	1098.00
TS 820 Xcvr	919.00
TS 700S Digital 2M All Mode	689.00

Cash Only
MIDLAND 13 509 220 12 ch. 159.95

LINEARS - FCC Type WAIVERED with 10 M Fron.

DENTRON MLA 2500	\$895.00 Cash only	789.95
KLM 2 meter Amplifiers	From	72.95
DENTRON MT 3000A	Reg. 350 Sale	309.95
DENTRON MT 2000A		199.50
DENTRON JR Monitor Tuner		79.50
DENTRON Doublet	10-160 M	24.95
Copper Wire	100' 14 gauge	4.95
80-40-15 Trap Dipole	W/Balun	36.80
80-40 Fan Dipole	W/Balun	25.95
Copper Ground Rods		6.95
W2AU Center Insulator		9.95
Hy Gain BW-86 Balun		15.95
HyGain 18 AV7 All Band Vertical		97.00
Hy Gain 14 AVQ 40-10 Vertical		67.00
Hy Gain Hy-Quad 2 el. 3 Band		219.95
Hy Gain Th 3 JR 3 El. 3 Band		144.50
Mosley TA 33 SR 3 El. 3 Band		206.00
Mosley TA 32 JR 3 EL. 3 Band		144.95
Mosley Tk 40A 40 meter Element		88.95

USED GEAR

Collins 75 S 3 RCVR "MINT" W/CWF	595.00
KE Dual Memory Keyer	59.95
Ten Tec KR20A	49.95

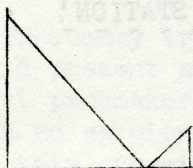
THE BASE STATION

2101 Pacheco Street

Concord, CA Phone 685-7388

OPEN WEEKDAYS 10-6 SATURDAYS 10-5

LAST MONTH'S PROBLEM



The tower is 24 ft. from the puddle and by subtraction the man is 3 ft. from the puddle. Since the triangles are similar triangles, we know the following relationship holds: $5/3 = \text{tower ht.}/24$ and solving: tower ht. = 40 ft.

April's problem could have been solved without deriving a formula. That's just the way I chose to attack it. Also the equation was missing a plus sign after 600 and an equals sign before the P. Sorry!

- WA6KGI

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THIS MONTH'S PROBLEM

What type of radio telephone using vacuum tubes does not require an oscillator?

Why are electrostatic shields used between windings in coupling transformers?

Try these two FCC questions.

- WA6KGI

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LATE NEWS PRIOR TO PRINTING ON 6-9-78

This is the last part of the CARRIER to be typed. A few hours ago (6-8-78) some members of the Club saw Joe Rudi, WA6PVA help the Angels win over the Oakland A's 10 to 7. Also, during the game, Terry Lange, WA6NTG caught a foul ball that bounced over to where he was sitting.

The report is that Art Mayoff ~~VE2AQV~~ is doing well at John Muir Hospital after a diverticulitis operation.

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From

Mt. Diablo Amateur Radio Club, Inc.
P.O. Box 23222
Pleasant Hill, Calif. 94523

Affiliated with the ARRL
Affiliated with the American Red Cross
Member: Amateur Radio News Service



Cassette tapes of this CARRIER have been made for WA6EKS, WA6TAS and WD6EXI.
This month's CARRIER was mailed to members Saturday June 10, 1978

Distribution:

Paid up 1978 members June 9	274
Exchanges with other clubs	17
Worthy Organizations and Firms	14
New licensees in this area	5
Legible addresses of visitors	4
Special request	1
Copies for our files	2
Handouts and extras	5
Minu	322
Minus "one to a family CARRIERS"	12
Printed	310

FIRST CLASS MAIL

To

